

## County Bridges – Six-Year Bridge Plan

Approx. Carry-Over Funds	New Funds	Program Expenses						
		Projects by Year Contract Awarded	Rating	Deck Area (SF)	Estimated Total Local Project Cost	Const. Split <sup>1</sup>		Estim. Remaining Funds
						% Local Funds	% Lev. Funds	
2007								
\$5,000,000	\$2,000,000	Bridge Inspection and Program Management	N/A	N/A	\$100,000	100%	0%	
	MRF	TROD Bridge Work	Various	Various	\$100,000	100%	0%	
		Eighth St. Viaduct – Rehabilitation <sup>3</sup>	3	190,610	\$4,500,000	20%	80%	
		Eighth St. Viaduct – Construction Management	3	190,610	\$200,000	100%	0%	
		Western Hills Via. – Safety Improvements	5	221,920	\$300,000	100%	0%	
		Columbia Pkwy Bridges, East End (ODOT Proj.)	Various	Various	\$0	0%	100%	
		Underwater Inspections	Various	Various	\$20,000	100%	0%	
		TOTAL			\$5,220,000			\$1,780,000
2008								
\$1,780,000	\$1,000,000	Bridge Inspection and Program Management	N/A	N/A	\$100,000	100%	0%	
	MRF	TROD Bridge Work	Various	Various	\$100,000	100%	0%	
		Eighth St. Viaduct – Construction Management	3	190,610	\$200,000	100%	0%	
		County Bridge Maintenance Contract	Various	Various	\$200,000	100%	0%	
		Western Hills Viaduct – Inspection <sup>2</sup>	5	221,920	\$500,000	100%	0%	
		TOTAL			\$1,100,000			\$1,680,000
2009								
\$1,680,000	\$1,000,000	Bridge Inspection and Program Management	N/A	N/A	\$100,000	100%	0%	
	MRF	TROD Bridge Work	Various	Various	\$100,000	100%	0%	
		Western Hills Viaduct – Plan Development <sup>2</sup>	5	221,920	\$500,000	100%	0%	
		County Bridge Maintenance Contract	Various	Various	\$300,000	100%	0%	
		TOTAL			\$1,000,000			\$1,680,000
2010								
\$1,680,000	\$1,000,000	Bridge Inspection and Program Management	N/A	N/A	\$100,000	100%	0%	
	MRF	TROD Bridge Work	Various	Various	\$100,000	100%	0%	
		Western Hills Viaduct – Plan Development <sup>2</sup>	5	221,920	\$500,000	100%	0%	
		Anthony Wayne Avenue Bridge – Painting	8	6,452	\$300,000	100%	0%	
		County Bridge Maintenance Contract	Various	Various	\$200,000	100%	0%	
		TOTAL			\$1,200,000			\$1,480,000
2011								
\$1,480,000	\$1,000,000	Bridge Inspection and Program Management	N/A	N/A	\$100,000	100%	0%	
	MRF	TROD Bridge Work	Various	Various	\$100,000	100%	0%	
		Western Hills Viaduct – Plan Development <sup>2</sup>	5	221,920	\$500,000	100%	0%	
		North Bend Road over Kirby – Deck Overlay	6	6,776	\$500,000	100%	0%	
		Glenway Br. Removal (ODOT Project)	7	9,407	\$0	0%	100%	
		TOTAL			\$1,200,000			\$1,280,000
2012								
\$1,280,000	\$1,000,000	Bridge Inspection and Program Management	N/A	N/A	\$100,000	100%	0%	
	MRF	TROD Bridge Work	Various	Various	\$100,000	100%	0%	
		Western Hills Viaduct – Plan Development <sup>2</sup>	5	221,920	\$500,000	100%	0%	
		East Fork Bridge over LDC – SS Replacement	6	1,512	\$500,000	100%	0%	
		Underwater Inspections	Various	Various	\$30,000	100%	0%	
		6 <sup>th</sup> Street Expressway Bridges (ODOT Project)	Various	Various	\$0	0%	100%	
		Mont. Rd Arch o/ SORTA (ODOT Project)	5	2,390	\$0	0%	100%	
		TOTAL			\$1,230,000			\$1,050,000

Projects that will be moved in if leveraged funding can be secured or if additional funds become available.	Clifton Avenue Bridge – Superstructure Replacement <sup>1</sup>	5	6,250	\$1,500,000	?	?	
	Kennedy Avenue Bridge – Replacement <sup>1</sup>	4	9,723	\$1,500,000	?	?	
	Marburg Avenue Bridge – Replacement <sup>1</sup>	4	6,156	\$1,500,000	?	?	
	Center Hill Avenue Bridge – Replacement <sup>1</sup>	5	5,775	\$1,750,000	?	?	

- <sup>1</sup> Additional leveraged funding will be pursued and will be used to supplement local funds as secured. Only those leveraged funds actually secured at the present time are listed and are being used for budgeting purposes. Unless leveraged funds are secured or additional funds are supplied by Hamilton County, the Kennedy Avenue Bridge Replacement project, the Clifton Avenue Bridge Superstructure Replacement project, the Marburg Avenue Bridge Replacement project, and the Center Hill Avenue Bridge Replacement project will not be able to go to construction.
- <sup>2</sup> Rehabilitation/replacement of the Western Hills Viaduct is preliminarily planned after 2011 (following Waldvogel in 2010 & 2011). This will be a major project and construction is expected to exceed \$50 million. State and Federal funds will be sought, but a local match will be needed. It is expected that all design costs, which will be substantial, will need to be paid locally.
- <sup>3</sup> ODOT, OKI, and OPWC have committed \$19M to the Eighth Street Viaduct project for construction in 2007. The total project cost is estimated to be approximately \$25M. Of the needed remaining \$6M in local match, \$1.5M will be funded from City Bridge funds to replace the Burns Street Ramp, a City (DOTE) bridge adjacent to the viaduct. The remaining \$4.5M will be funded from County MRF bridge funds. All design and construction management costs will be paid locally.

The projects are grouped by the year of expected bid. This plan is flexible and will be revised as necessary if future bridge inspections reveal unexpected changes in the condition of any bridge, if anticipated bridge funding amounts change, if unexpected leveraged funding sources become available or are withdrawn, if the timing of any bridge project requires adjustment to coordinate with other infrastructure improvement or development projects, or if City Council or the City Administration redirect priorities. The estimated project costs are preliminary and are only intended to establish basic funding needs and are not considered engineer's estimates. Bridge conditions will be continually monitored during the six-year period and the plan will be adjusted as needed to best maintain the bridge infrastructure.

Some possible projects that may need to be moved forward or may need to be include in the County Bridge Maintenance Contracts include:

- 1) Galbraith Road Bridge – Deck Replacement
- 2) Hopple Street Viaduct – Deck Overlay
- 3) McMillian Street Bridge – Concrete Repairs and Sealing
- 4) River Road over Muddy Creek – Concrete Repairs and Sealing
- 5) McMillian Street Bridge – Painting Contract
- 6) Wooster Road Bridge – Painting Contract
- 7) Beechmont Avenue Bridge over Little Miami River – Bearing Realignment & Shimming
- 8) Beechmont Avenue Bridge over Little Miami River – Slope Protection Repairs
- 9) Columbia Parkway Viaduct – Drainage System Repairs
- 10) In-depth Inspection of Fracture Critical Members or other In-depth Inspections

The funds programmed for the County Bridge Maintenance Contracts may also be used, wholly or in part, to support other projects listed in the six-year plan whose expenses exceed the preliminary estimations listed in the six-year plan.